



**APRIL 10 & 17, 2008**  
**TULARE & SACRAMENTO, CALIFORNIA**



# SALINITY STAKEHOLDER WORKSHOPS

## AGENDA

- 8:30 am Registration
- 9:00 **INTRODUCTION, OVERVIEW AND EXECUTIVE BRIEFING PANEL**
- Welcome and Introductions — Karl Longley, Chair CVWQCB
  - Development and growth limits? Regulating Salt?  
— Pamela Creedon, EO CVWQCB
  - Next California Water Crisis Salinity and Water Rights  
— Leslie Grober SWRCB
  - Alternatives abound, solutions, policy options  
— Daniel Cozad
  - Sneak Preview Salinity Video from Water Education Foundation
- 10:00 **WORKSHOP CONTINUES AGENDA AND PROCESS — DANIEL COZAD**
- 10:30 **What we know, Salinity Background, Sarge Green (Tulare)**  
Panel with Dave Melilli (Sacramento)
- 11:00 Keynote — Honorable Congressman Jim Costa
- 11:30 Role of Regulation, benefit or battle — Pamela Creedon EO CVWQCB
- 12:00 “Low Salt” Lunch and Economics Briefing  
— Dr. Richard Howitt UC Davis
- 12:45 Break
- 1:00 Options, Survey Says “Where would you put the salt?” What are the impacts of treatment? — Daniel Cozad, Integrated Planning and Management
- 2:00 Organization and infrastructure opportunities — Karl Longley
- 2:20 What can you do? **Rosa Staggs, City of Fresno (Tulare)**  
Tom Reyes, City of Vacaville (Sacramento)
- 2:45 Wrap-up, Feedback and Next Steps
- 3:00 Adjourn

# SPEAKERS BIOGRAPHIC INFORMATION



## **DR. KARL E. LONGLEY, CHAIR CENTRAL VALLEY WATER QUALITY CONTROL BOARD**

Dr. Longley is currently the chair of the Central California Regional Water Quality Control Board and he has served as a Board Member for seventeen years. Dr. Longley was a professor of civil engineering at California State University, Fresno from 1982 to 2004. He served as the Chair of the Civil Engineering Department Chair from 1985 to 1996, and as the Dean of the College of Engineering from 1996 to 2004. Dr. Longley is currently serving on the Board of Direction of the American Society of Civil Engineers. He also is a Diplomate of the American Academy of Environmental Engineering. Dr. Longley's education includes a B.S. degree in Civil Engineering from the University of New Mexico, and a M.S. degree in Sanitary Engineering and Water Resources and a Doctor of Science degree from the Johns Hopkins University.

## **PAMELA C. CREEDON**

Pamela Creedon is the Executive Officer of the Central Valley Water Quality Control Board. Pamela is a Civil Engineer with over 26 years of professional experience, and over 15 years of experience in both the public and private sector developing and implementing water quality regulatory programs. She holds a Bachelor of Science and Master of Science degrees in Civil Engineering. She currently manages a staff of 236 located in three offices - Redding, Sacramento and Fresno. The Central Valley Water Board is geographically the largest region in the State, one of the largest agricultural areas in the world, and the source of much of the State's drinking water. The Region encompasses 60,000 square miles of land, or approximately 40% of the land area of California, and includes 36 of the 58 counties in California. The Delta is within the Central Valley Region's jurisdiction, is the largest west coast inland estuary and supplies two-thirds of the state's drinking water. The Central Valley contains California's largest groundwater basin, is the second largest groundwater basin in the United States and supplies nearly three-fourths of California's groundwater demand.

## **LESLIE GROBER**

Leslie Grober is the Environmental Program Manager of the Hearings and Special Programs Section of the Division of Water Rights at the California State Water Resources Control Board where he manages: 1) evidentiary, rulemaking, and informational hearings related to California water rights; 2) development and updates of the Water Quality Control Plan for San Francisco Bay/Sacramento San Joaquin and processing of requests for water transfers that involve Delta pumping facilities; and 3) Water Quality Certification of Federal Energy Regulatory Commission (FERC) hydropower projects. He previously worked at the California Central Valley Regional Water Quality Control Board, where he was responsible for development of Total Maximum Daily Loads (TMDLs) and water quality control programs in the San Joaquin River Basin. He has 18 years of experience working on technical and regulatory aspects of San Joaquin River and Delta water, with an emphasis on the water quality impacts of agriculture, including the development and use of water quality and water operations models.

## **DANIEL B. COZAD**

Daniel Cozad the president of Integrated Planning and Management Inc. a consulting and contracting organization working throughout California specializing in water and resources planning and management and integration of stakeholders needs to produce value and community benefits. His background in regional policy and funding is based in almost 10 years at the Santa Ana Watershed Project Authority working with governments and business to achieve regional goals. Daniel earned a BS in Chemistry from the University of New Mexico and is a certified Project Management Professional. He has written and presented over 25 technical papers and articles on environmental and project management topics. He has taught environmental and project management courses at the University of California, Riverside and was a member of the project management curriculum advisory committee. He serves as chair of the California State University San Bernardino Water Resources Institute Advisory Board. He is a member of the Water Resources Center Archives Board of Directors at University of California Berkeley.

## **SALT OF THE EARTH PREVIEW VIDEO**

From the Producer: You're about to view sneak preview highlights from SALT OF THE EARTH, a one-hour documentary that will look at the salinity problem facing the population of California. This is a sampling of some of the topics covered, and some of the interviews that will be featured in the hour-long documentary. The documentary is being produced for broadcast on Public Television stations in California. The highlights on this reel represent a sampling of the many issues being covered in the documentary. The official host's voice and on-screen presence, graphics, animations, and music have not yet been added. The narration voice reel is that of the producer.

## **KAREN CHRISTIAN, PRODUCER/WRITER**

Ms. Christian is an award-winning writer whose career in journalism is rooted in documentary producing. Her goal has been to produce balanced, intelligent yet "user-friendly", in-depth programming of a scientific nature. Her special projects have explored topics such as the gray wolf reintroduction to the lower 48 states, breast cancer, Latina health issues, and asthma and air Pollution, to name a few. In 14 years of professional writing and producing, Karen has won two Emmy awards, three C. Everett Koop awards for medical journalism, and she was recently granted a journalism fellowship from U.S.C. Annenberg Foundation. As an independent producer residing in Sacramento, Karen welcomes opportunities to make complex scientific topics interesting and accessible to viewers throughout California.

## **WATER EDUCATION FOUNDATION**

This video is being prepared for Water Education Foundation under a contract to CSU Fresno. For more than 30 years the Water Education Foundation has been a unique resource for unbiased information about water issues. A nonprofit, impartial organization, the Foundation maintains a strong commitment to high standards of objectivity and balance in all its publications and programs, earning respect from all sides in the debate over water in California and the Southwest. The Foundation's mission is to create a better understanding of water issues and help resolve water resource problems through educational programs.

## **SARGEANT J. GREEN**

Sarge Green is currently under contract with the California Water Institute at California State University Fresno to assist in the development of a San Joaquin Valley Regional Water Management Plan. The "Plan" is a goal of both the California Partnership for the San Joaquin Valley chartered by the Governor and the Valley Congressional delegation. An additional assignment is to develop an on-campus integrated water management plan for Fresno State.

Sarge recently retired as General Manager of Tranquility Irrigation District in western Fresno County. He is also currently the Secretary-Manager of Westside Resource Conservation District. Westside RCD is a one million acre District responsible for natural resource management issues ranging from soil erosion, soil salt accumulation and sub-surface drainage management to flooding, rangeland conservation, water conservation, energy, carbon and watershed management. Sarge also worked at the California Regional Water Quality Control Board – Central Valley Region, ultimately as a senior staff person in charge of water quality planning, hazardous waste sites, agricultural waste discharges and other related water quality matters. He also served (2002-2006) as a Member of the Board of Directors and the Executive Committee of the Association of California Water Agencies (ACWA) and was Water Quality Committee Chair. Sarge is also a member of the Fresno County Water Advisory since 1991.

## **HONORABLE CONGRESSMAN JIM COSTA**

Jim Costa is a member of the U.S. House of Representatives representing California's 20th Congressional District. The grandson of Portuguese immigrants who settled in the fertile San Joaquin Valley near the turn of the 20th Century, Congressman Costa represents a district as diverse in people as it is in crops. Made up of portions of Fresno and Kern Counties and all of Kings County, the 20th Congressional District is home to a thriving agriculture industry which produces much of what America eats. Fresno County is the nation's number one agriculture producing county, Kern County ranks third and Kings County is ninth.

He serves on the House Agriculture Committee, where he is a member of the Subcommittees on Livestock, Dairy and Poultry; and Conservation, Credit, Energy and Research. On the House Natural Resources Committee Costa is Chairman of the Subcommittee on Energy and Mineral Resources and is a member of the Subcommittee on Water and Power. Costa is also a member of the House Foreign Affairs Committee where he serves on the Subcommittees on the Middle East and South Asia; and Europe.



# SPEAKERS BIOGRAPHIC INFORMATION (CONTINUED)



Costa is a member of the fiscally-conservative Blue Dog Coalition and co-founder and co-chair of the Congressional Victims' Rights Caucus. He is also a co-founder of the Congressional Water Caucus and a co-founder of the Congressional Organ Donation Caucus. During his first term in office, Congressman Costa put together a broad-based bipartisan coalition aimed at developing a Regional Water Plan for Central California.

Costa's distinguished career also includes 24-years as a member of the California State Legislature. A product of Fresno County schools, Costa is a graduate of San Joaquin Memorial High School and has a Bachelor's Degree in Political Science from California State University, Fresno.

## **RICHARD E. HOWITT**

Richard Howitt is currently a Professor of Agricultural and Resource Economics and Department Chair at the University of California at Davis. He has been a faculty member at U.C Davis since 1975. His teaching covers both graduate and undergraduate courses in resource economics, economic theory and operations research. Howitt's current research interests can be summarized under three headings. Disaggregated economic modeling methods: They are used to model the economic structure of farming and other economic uses of land and resources from disaggregated data on land area, yield and crop selection. Using market mechanisms to allocate water resources. The research is being implemented with the design of water market institutions. They are tested in an experimental economics laboratory. Empirical dynamic stochastic methods. These approaches can be used to analyze investments that are subject to dynamic stochastic inputs and irreversible costs or decisions.

Current research areas include: management of reservoirs and water supplies, alternative configurations for the Sacramento Delta, a futures market for California water as well as the economic impacts of salinity in the Central Valley. Howitt serves on advisory boards for the California Department of Water Resources, and US Academy of Sciences.

## **ROSA LAU-STAGGS**

Rosa Lau-Staggs is the Chief of Wastewater Environmental Services for the City of Fresno Wastewater Management Division. She oversees the Division's Environmental Services Section, comprised of the Laboratory and Environmental Services workgroups.

Rosa has a Bachelor's Degree from the Universidad Nacional Mayor de San Marcos in Lima, Peru and worked as a Laboratory Scientist in Biochemistry and Pathological Anatomy before coming to the United States of America. She has over 23 years of experience in the wastewater industry, starting as a Laboratory Technician for the Wastewater Management Division Environmental Laboratory and promoting through various positions within the Division. She has dedicated 10 of those years overseeing water and wastewater regulatory issues impacting the Division.

She is the Chair of the Central Valley Clean Water Association (CVCWA) Land Discharge/Groundwater Committee; member of the Central Valley Salinity Alternatives for Long Term Sustainability (CV-SALTS) – Public Education and Outreach Committee; Co-Chair of the Fresno Regional Wastewater Advisory Committee; Laboratory Management Information System (LIMS) Administrator and Crystal Report writer; and Co-Facilitator of the Division's Strategy Business Planning Committee. She oversees the Division's Public Information Program and participates in the city's project to gain accreditation with the American Public Works Association.

## **TOM REYES**

Tom Reyes began working for the City of Vacaville in 2001 as supervisor of the industrial pretreatment program and cross connection control program. He has also been responsible for conducting NPDES permit required source control studies for salinity, mercury, lindane, and cyanide. In addition, he was project manager for the design and construction of a monitoring system to meet continuous online chlorine residual monitoring requirements. He continues to be responsible for implementing and tracking the City of Vacaville salinity source control program. Prior to working for Vacaville, Tom had a 12 year career working at a bay area petroleum refinery. During his refinery career, he also conducted various NPDES permit required source control studies and was the project, and later, operations engineer for the research, development, design, construction, and operation of a selenium removal wastewater treatment plant. Tom has a Bachelor of Science Degree in Chemical Engineering from the University of California at Davis.